

CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO

ACADEMIC SENATE - AGENDA

November 9, 1982

UU 220

3:00 PM

Chair, Jim Simmons  
Vice Chair, Ron Brown  
Secretary, Barbara Weber

I. Minutes

II. Announcements

III. Reports

Administrative Council (Weber)  
CSU Academic Senate (Hale, Riedlsperger, Weatherby)  
Foundation Board (Simmons)  
President's Council (Simmons)

IV. Committee Reports

Budget (Conway)	General Education and Breadth
Constitution and Bylaws (Johnson)	Instruction (Stowe) (Wenzl)
Curriculum (Butler)	Long Range Planning (Anderson)
Distinguished Teacher Award (Ruehr)	Personnel Policies (Murray)
Election (Mosher)	Personnel Review
Faculty Library (Barnes)	Research (Knable)
Fairness Board (Rosenman)	Student Affairs (Scriven)

V. Business Items

A. General Education and Breadth (Wenzl)

## PROPOSAL FOR GENERAL EDUCATION AND BREADTH REQUIREMENTS AT CAL POLY

General Education and Breadth requirements in the CSU are so designed that, taken with the major depth program and elective units presented by the candidate for the bachelor's degree, they will assure that graduates from the several campuses in the system have made noteworthy progress toward becoming truly educated persons. Particularly, the purpose of the breadth requirements is to provide means whereby graduates:

a) will have achieved the ability to think clearly and logically, to find and critically examine information, to communicate orally and in writing, and to perform quantitative functions;

b) will have acquired appreciable knowledge about their own bodies and minds, about how human society has developed and how it functions, about the physical world in which they live, about the other forms with which they share that world, and about the endeavors and legacies of their civilizations;

c) will have come to an understanding of the principles, methodologies, value systems, and thought processes employed in human inquiries.

General Education at Cal Poly is so designed that, in addition to the objectives mentioned, graduates will have also achieved at least a rudimentary knowledge and understanding of technology.

All the proposed requirements which follow are to be governed by the following general regulations:

1) Except where expressly prohibited, courses taken to satisfy General Education and Breadth Requirements may also simultaneously satisfy requirements in any other portion of the student's curriculum;

2) Cal Poly will have a permanent committee to provide for appropriate oversight and to recommend as necessary concerning the implementation, conduct, and evaluation of the General Education Program.

### A. Writing, Speaking, and Critical Thinking (14)

All students must complete ENGL 114 before taking Critical Thinking. Expository Writing and Critical Thinking must be completed before taking SP 201 or ENGL 215 or ENGL 218.

1. ENGL 114 Expository Writing

2. Select one: PHIL 125, SP 125, ENGL 125 Critical Thinking

3. Select one: SP 201 Public Speaking  
SP 200 Principles of Speech

4. Select one: ENGL 215 Intermediate Writing - Argumentation  
ENGL 218 Writing: Argumentation and Reports

### B. MATHEMATICS, STATISTICS, AND THE METHODOLOGIES OF SCIENCE (18)

1. All students must complete a minimum of nine units from the approved list of courses in life and physical sciences, at least one course

in each. At least one of the courses selected must include a lab.

2. All students must complete a minimum of two courses in mathematics and statistics, at least one of which must be mathematics.

### B.1. Physical and Life Sciences

#### A. Physical Sciences

Courses may be selected as follows:

ASTR	Any lower division course and/or ASTR 351.
CHEM	Any lower division course except 106, 200, 252, and 253.
GEOL	Any lower division course or 302.
PHYS	Any lower division course except 100, 134, 137, 200, 206, 207, 256, 257.
PSC	Any lower division course.

Any upper division physical science course having one of the above as a pre-requisite may also be selected with the exception of "Special Problems" courses, "Selected Topics" courses, "Undergraduate Seminar" courses, "Senior Project" courses and CHEM 405, 407, 408, 416, 419; PSC 424, 436.

#### B. Life Sciences

Courses may be selected as follows:

BACT	221
BIO	Any lower division course except 253 and 255.
BOT	Any lower division course except 238.
ZOO	131, 132.

Any 300 level life science course having one of the above as a prerequisite may also be selected with the exception of BIO 321, 342.

### B.2. Mathematics and Statistics Courses

Students may select from the courses listed, or any mathematics or statistics courses having one of these as a prerequisite, with the exception of "Special Problems" courses, "Selected Topics" courses, "Undergraduate Seminar" courses, "Senior Project" courses, and the courses mentioned in the following list: MATH 327, 403, 424, 435; STAT 330, 421, 512.

MATH	114	College Algebra
	115	Trigonometry for Agriculture
	118	Pre-Calculus Algebra
	119	Analytical Trigonometry for Engineers
	120	College Algebra and Trigonometry
	328	Modern Elementary Mathematics
STAT	130	Introduction to Statistical Reasoning
	211	Elementary Probability and Statistics
	251	Statistical Inference for Management
	321	Statistical Analysis

C. LITERARY AND ARTISTIC ACHIEVEMENTS (18)

1. Critical Reading: A minimum of three lower-division courses in literature and philosophy, at least one course in each, selected from the following:
  1. Great Books of World Literature: ENGL 251, 252, 253
  2. Masterworks of English Literature: ENGL 230, 231
  3. The American Tradition in Literature: ENGL 240
  4. Philosophical Classics: PHIL 230-231
2. Fine and Performing Arts: A minimum of one lower-division course selected from the following:
  1. Materials of Music: MUS 101
  2. Appreciation of Music: MUS 204
  3. Introduction to Art: ART 111
  4. Survey of Art History: ART 112
  5. Introduction to Theatre: TH 220
3. Electives in Literature, Philosophy, and the Arts

Select remaining units from courses listed above or from the following list. At least three units must be at the upper-division level. Courses offered by the student's major department cannot be counted in the elective portion of Area C.

Approved List of Courses:

ARCH	317	History of Architecture
	318	History of Architecture
	319	History of Architecture
ART	230X	History of Design
	223	History of Photography
	241	Contemporary Craft Survey
ENGL	350	Modern Novel
	351	Modern Poetry
	352	Modern Drama
	370	World Cinema
	330	Medieval Literature
	331	Renaissance
	332	Enlightenment
	333	Romantic Movement
	334	The Victorians
	339	Shakespeare
	340	American Literature to 1860
	341	American Literature: 1860-1914
	342	American Literature: 1914-Present
	380	Contemporary Literary Ideas
FORL	101	Foreign Language
	102	Foreign Language
	103	Foreign Language
FR	101	Elementary French
	102	Elementary French
	103	Elementary French

FR	201	Intermediate French
	202	Intermediate French
	203	Intermediate French
	305	Readings in French Literature
	405	French Literature in English Translation
GER	101	Elementary German
	102	Elementary German
	103	Elementary German
	201	Intermediate German
	202	Intermediate German
	203	Intermediate German
	305	Significant Writers in German
MUS	405	German Literature in English Translation
	209	Jazz Styles
	404	History of Music
	405	History of Music
PHIL	406	History of Music
	305	Judeo-Christian Religions
	306	Asian Religions
	307	Philosophy of Religion
	308	Islamic Religions
	311	Greek Philosophy
	312	Medieval Philosophy
	313	Modern Philosophy
	300X	19th and 20th Century European Philosophy
	315	Contemporary Analytic Philosophy
	321	Philosophy of Science
	331	Ethics
	335	Social Ethics
	333	Political Philosophy
	300X	Philosophy of Art
	300X	Professional Ethics
SP	317	Classical Rhetorical Theory
SPAN	101	Elementary Spanish
	102	Elementary Spanish
	103	Elementary Spanish
	201	Intermediate Spanish
	202	Intermediate Spanish
	203	Intermediate Spanish
	305	Significant Writers in Spanish
	405	Spanish Literature in English Translation
TH	327	Theatrical History and Literature
	328	Theatrical History and Literature
HUM	300X	Women Writers and Contemporary Culture
	300X	Existential Thought
	300X	Modern Utopias
	330	Symbols
	350	Aesthetics
	402	Human Values

D. HISTORICAL, POLITICAL, ECONOMIC, AND SOCIAL INSTITUTIONS (18)

1. 40404 Requirements

POLS	201	American and California Government
HIST	204	The Growth of American Democracy

2. HIST 315 Modern World History

3. (Select at least one course):

5.

ECON 201 Survey of Economics  
211 Principles of Economics  
222 Macroeconomics

4. (Select at least one course from each group):

Group A: ANTH 201 Cultural Anthropology  
GEOG 150 Human Geography  
SOC 105 Introduction to Sociology

Group B: Courses offered by the student's major Department cannot be counted as satisfying the requirements of D-4, Part B.

ANTH 360 Human Cultural Adaptation  
GEOG 308 Global Geography  
ECON 304 Comparative Economic Systems  
ECON 325 Underdevelopment and Economic Growth  
POLS 370 Contemporary Global Political Issues  
SOC 309 World Social System and Its Problems  
SOC 315 Race Relations

The University requests an exemption for engineering students only from the specific requirements of Area D-4, Part B. The exemption will be for two years during which time an appropriate course for engineering students can be designed.

E. HUMAN BEHAVIOR AND DETERMINANTS OF HEALTH (5)

1. Select one: PSY 201 General Psychology  
PSY 202 General Psychology
2. Select one: PE 250 Health Education  
BIO 220 Physiology and Biological Adaptation  
PSYCH 304 Comparative and Physiological Psychology  
HE 210 Nutrition

F. TECHNOLOGY (6)

1. At least one course in Computer Science. This requirement may be met by taking any course bearing a CSC prefix; or, AM 250, ENGR 251, or EDES 250. "Special Problems" courses, "Selected Topics" courses, "Undergraduate Seminar" courses, and "Senior Project" courses may not be used to satisfy this requirement.

2. Select at least one course from the following:

AG 301 Agriculture and American Life  
ENGR 301 Technology in the 20th Century  
ARCH 312 Home and Community Design  
CRP 211 Introduction to Urbanization  
CRP 212 Introduction to Urban Planning  
IT 101 Technical Computation  
IT 130 Automotive Fundamentals  
IT 250 Automotive Power  
LA 301 Introduction to Landscape Architecture  
LA 311 Landscape History  
AERO 102 Introduction to General Aviation  
AERO 205 Energy Science  
ENVE 221 Solar Energy  
CE 121 Civil Engineering Fundamentals

ENVE 330	Environmental Quality Control
ENVE 324	Introduction to Air Pollution
SS 121	Soils
NRM 120	Introduction to Fish and Wildlife Management
NRM 207	Resource Survey

Students in the Schools of Architecture, Agriculture, and Engineering are exempt from the requirements of F-2. They may apply a maximum of 3 units from their major toward the satisfaction of the 12-unit upper-division GE requirements.